

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004936.D
 Acq On : 24 Mar 2019 13:29
 Operator : JU/SJ
 Sample : K2015-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-026-SW041-031919

Manual Integrations
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 3/26/2019 6:33:45 PM

Quant Time: Mar 25 03:44:51 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3086	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12439	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6675	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14508	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	15016	0.40	ng	-0.01
34) Perylene-d12	23.52	264	14320	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3862	0.46	ng	-0.02
5) Phenol-d6	6.85	99	5039	0.48	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3651	0.44	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7906	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1982	0.43	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	11464	0.42	ng	-0.02
25) Fluoranthene-d10	19.11	212	15553	0.32	ng	-0.02
29) Terphenyl-d14	19.71	244	15214	0.50	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1972	0.057	ng	# 90
12) 2-Methylnaphthalene	12.14	142	1278	0.049	ng	# 94
16) Acenaphthylene	14.04	152	8146	0.237	ng	98
17) Acenaphthene	14.39	154	795	0.035	ng	# 80
18) Fluorene	15.38	166	2601	0.083	ng	# 85
23) Phenanthrene	17.12	178	60028	1.281	ng	99
24) Anthracene	17.21	178	6381	0.153	ng	99
26) Fluoranthene	19.14	202	77714	1.291	ng	97
28) Pyrene	19.51	202	92995	2.031	ng	97
30) Benzo(a)anthracene	21.26	228	34666	0.704	ng	95
31) Chrysene	21.31	228	43572	0.840	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	9964	0.506	ng	97
33) Indeno(1,2,3-cd)pyrene	25.78	276	25363	0.338	ng	99
35) Benzo(b)fluoranthene	22.85	252	47674	0.920	ng	# 90
36) Benzo(k)fluoranthene	22.89	252	15465m	0.303	ng	
37) Benzo(a)pyrene	23.42	252	33434	0.704	ng	# 96
38) Dibenzo(a,h)anthracene	25.79	278	7257	0.132	ng	# 68
39) Benzo(g,h,i)perylene	26.48	276	27344	0.488	ng	# 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

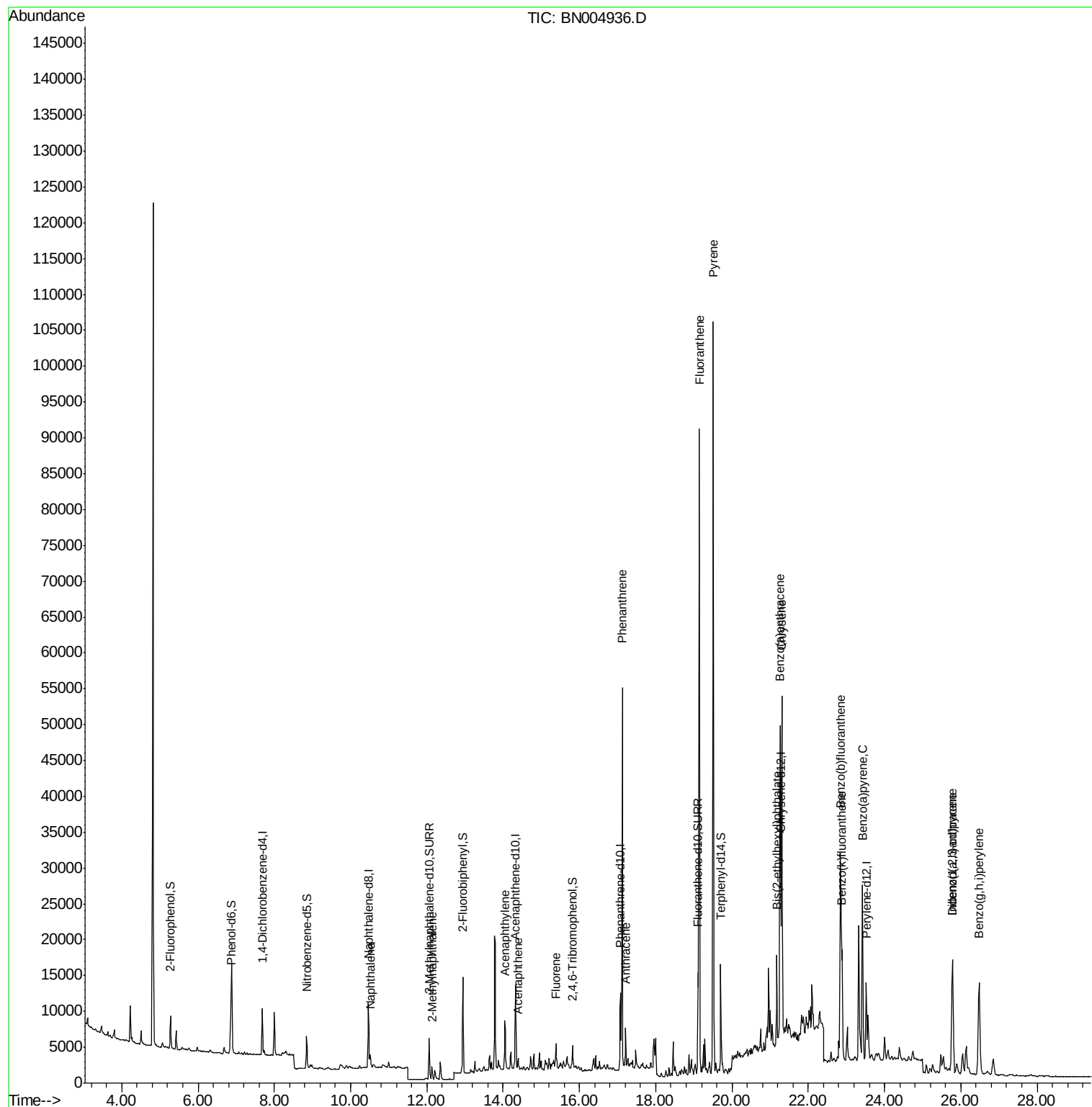
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
Data File : BN004936.D
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Operator : JU/SJ
Sample : K2015-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

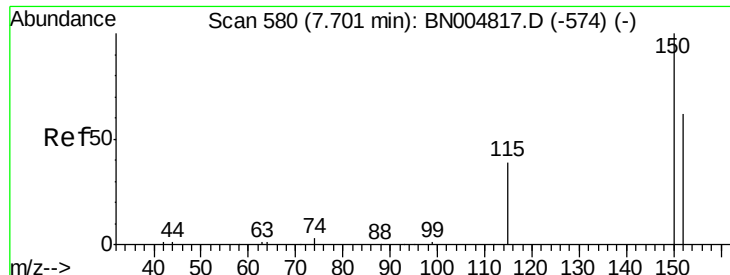
Instrument :
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EXT-026-SW041-031919

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Quant Time: Mar 25 03:44:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
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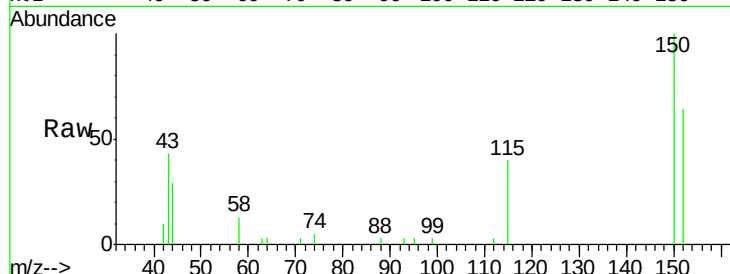




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

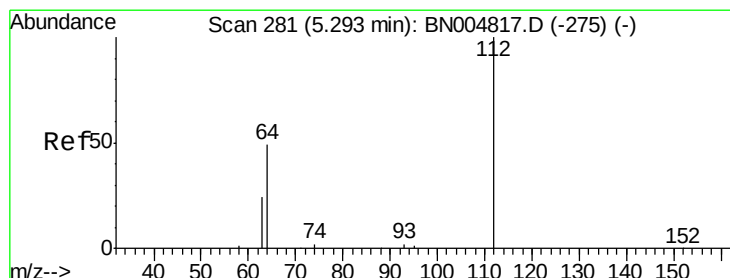
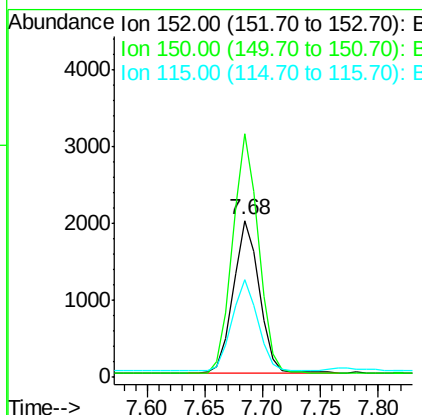
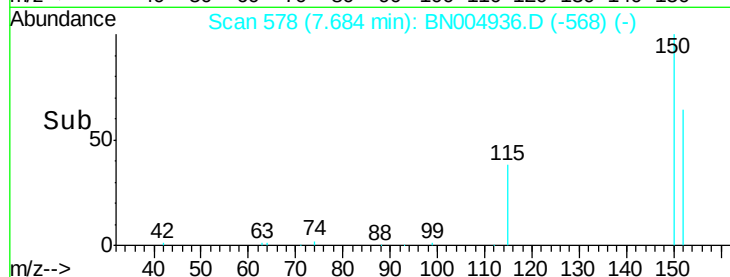
Instrument :
BNA_N
ClientSampleId :
EXT-026-SW041-031919



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.4
115	62.7	52.6	79.0

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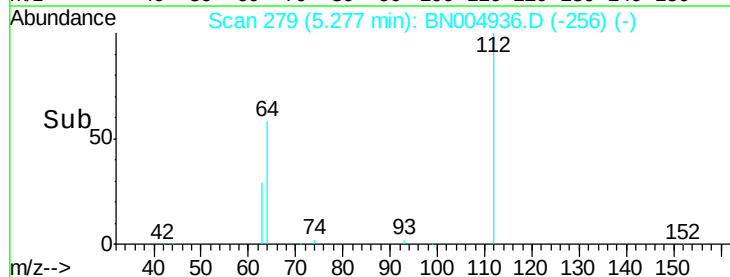
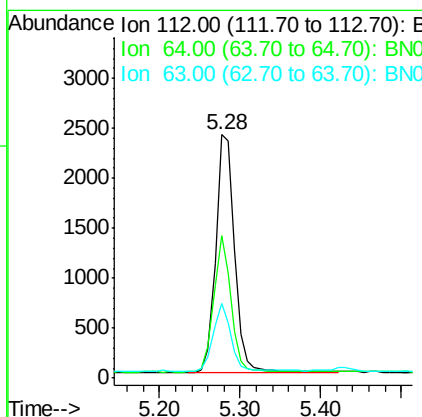
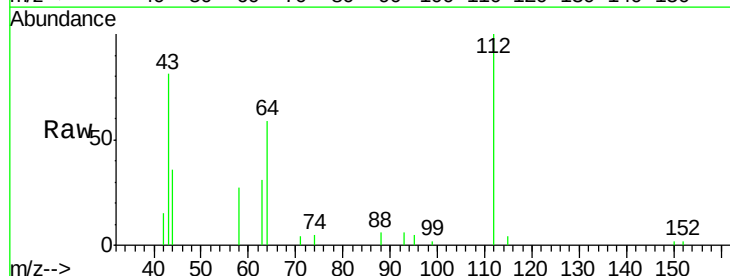
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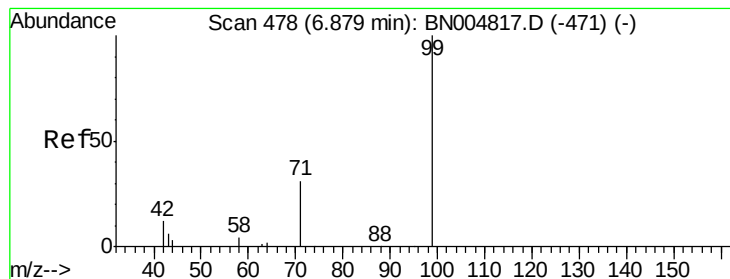


#4

2-Fluorophenol
Concen: 0.460 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.02 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	40.0	60.0
63	26.7	20.2	30.2





#5

Phenol-d6

Concen: 0.483 ng

RT: 6.85 min Scan# 475

Delta R.T. -0.02 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

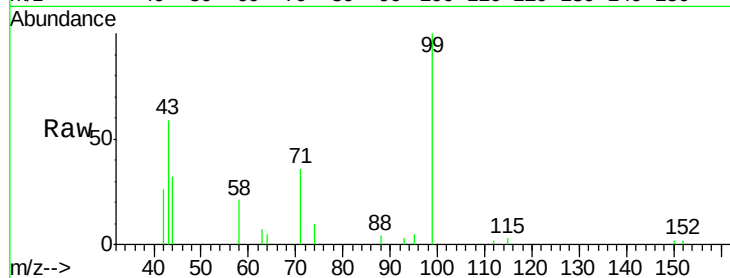
ClientSampleId :

EXT-026-SW041-031919

Tgt Ion:	99	Resp:	5039
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.7	19.1#
71	32.3	26.6	40.0

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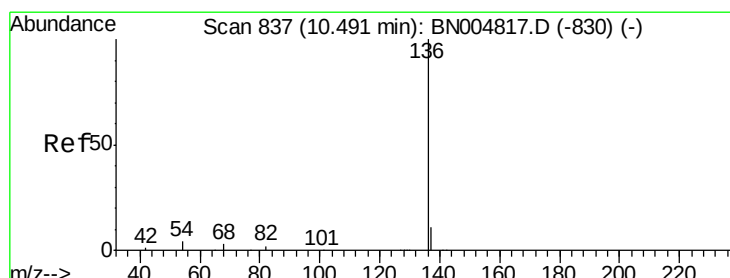
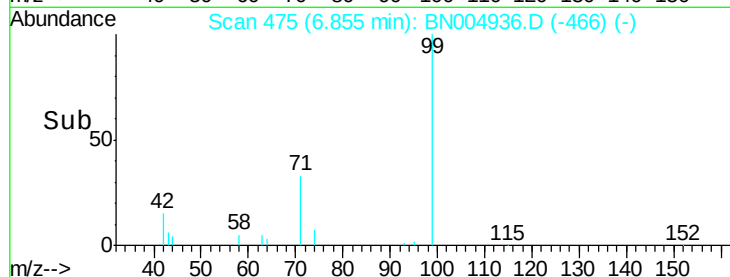


Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

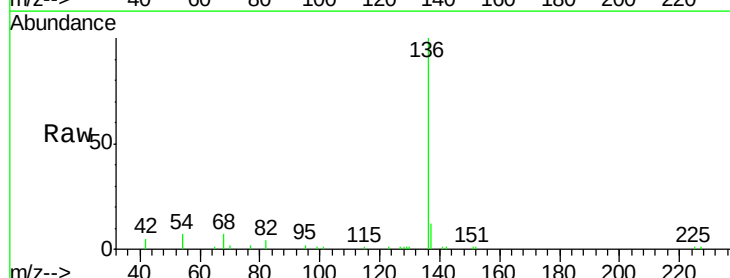
RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Tgt Ion:	136	Resp:	12439
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.6	14.4
54	7.4	4.2	6.2#
68	6.7	3.9	5.9#



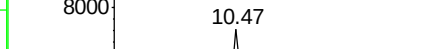
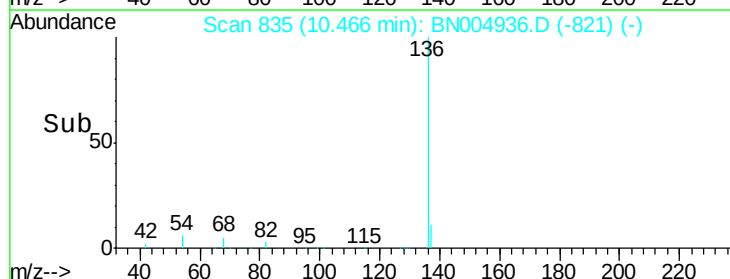
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

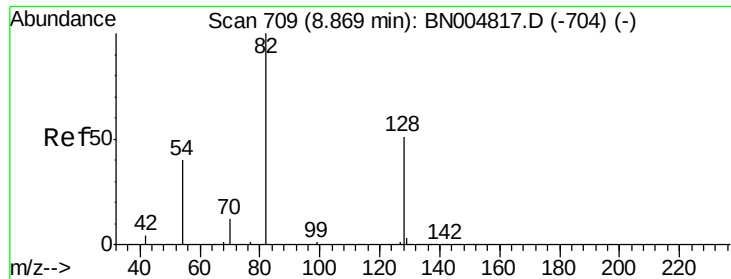
Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.444 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

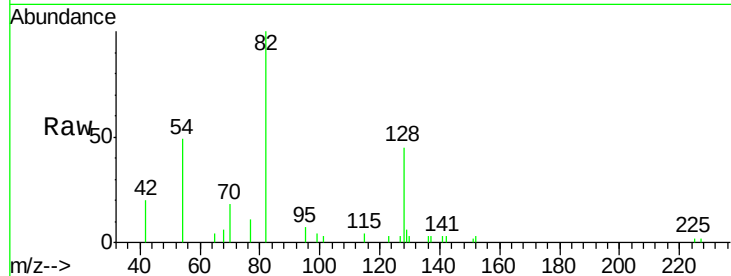
ClientSampleId :

EXT-026-SW041-031919

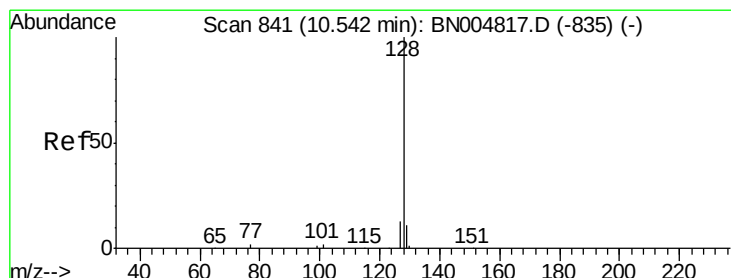
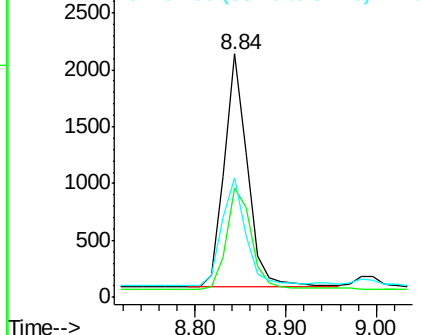
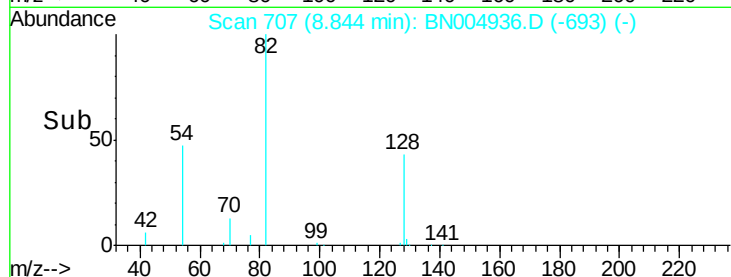
Tgt Ion:	82	Resp:	3651
Ion Ratio	Lower	Upper	
82	100		
128	44.7	43.0	64.6
54	49.3	35.3	52.9

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Abundance Ion 82.00 (81.70 to 82.70): BN004936.D (-693) (-)



#9

Naphthalene

Concen: 0.057 ng

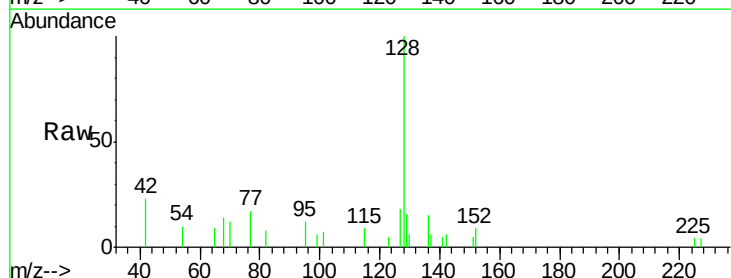
RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

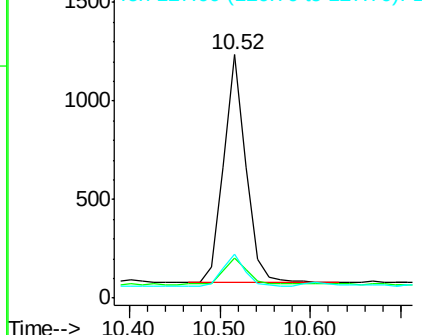
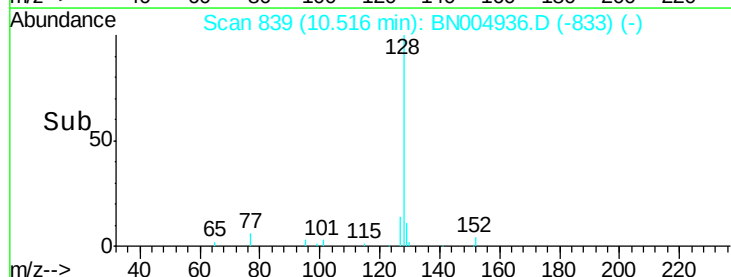
Lab File: BN004936.D

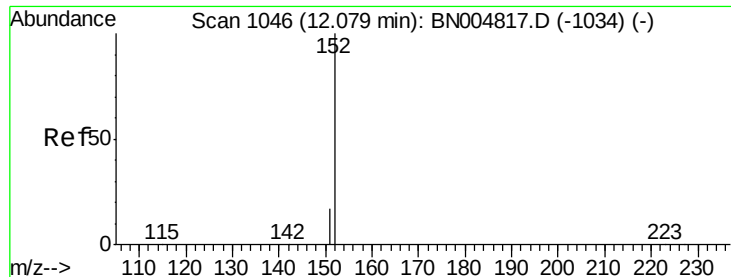
Acq: 24 Mar 2019 13:29

Tgt Ion:	128	Resp:	1972
Ion Ratio	Lower	Upper	
128	100		
129	16.4	9.9	14.9#
127	18.0	11.3	16.9#



Abundance Ion 128.00 (127.70 to 128.70): BN004936.D (-833) (-)





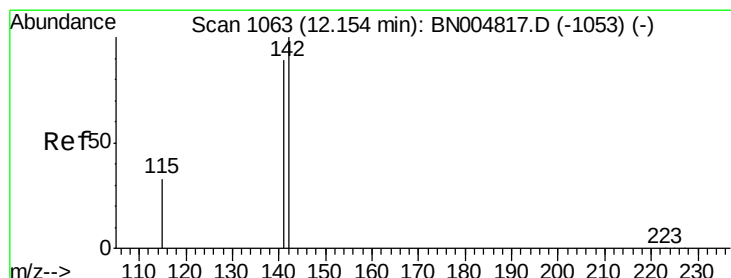
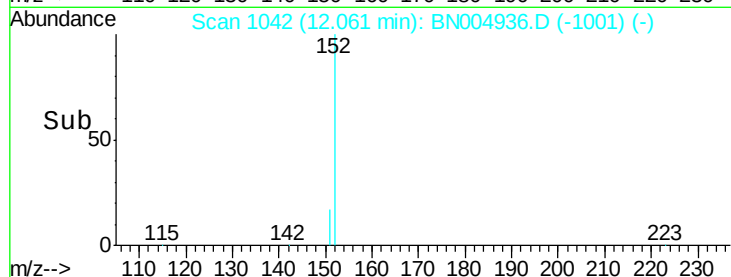
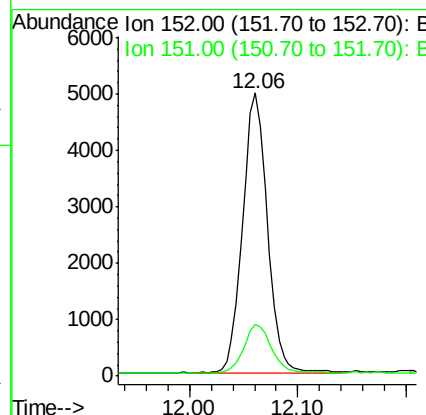
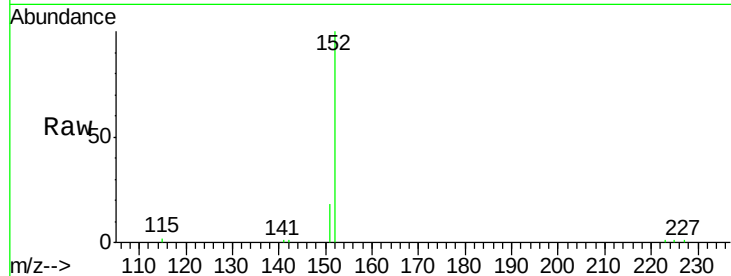
#11
 2-Methylnaphthalene-d10
 Concen: 0.364 ng
 RT: 12.06 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-026-SW041-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

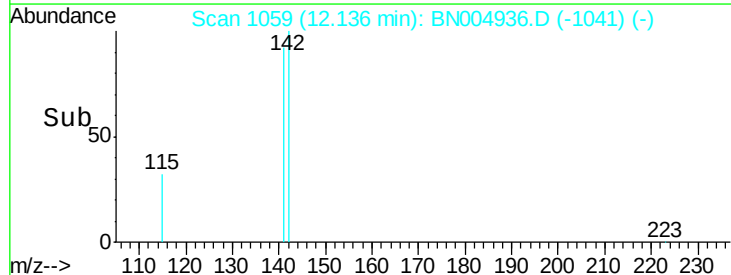
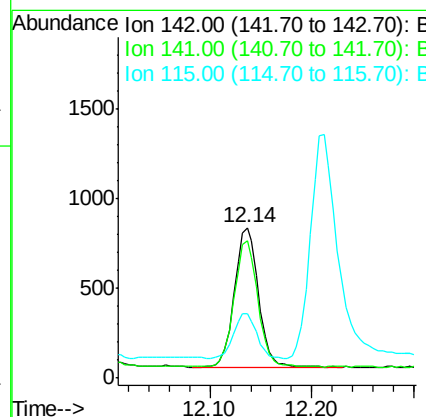
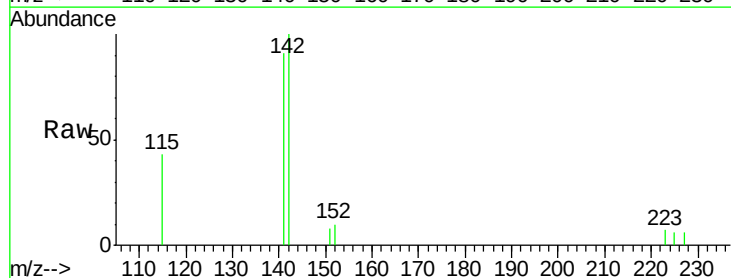
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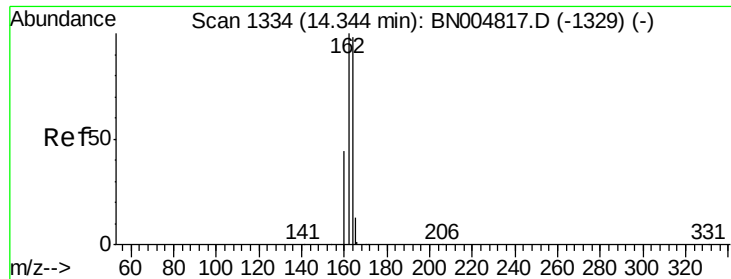
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#12
 2-Methylnaphthalene
 Concen: 0.049 ng
 RT: 12.14 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.4	107.2
115	42.8	27.5	41.3





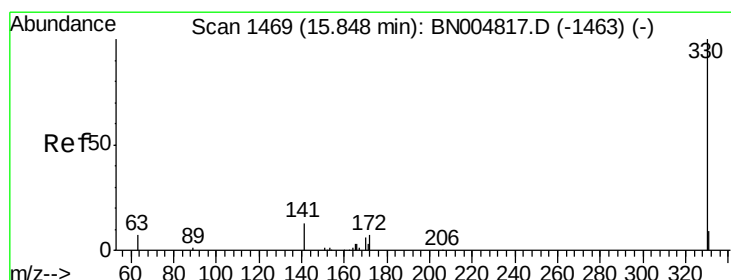
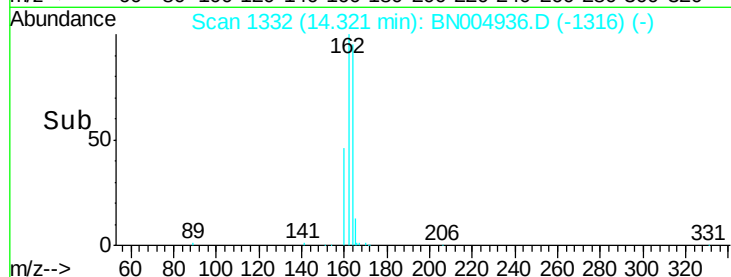
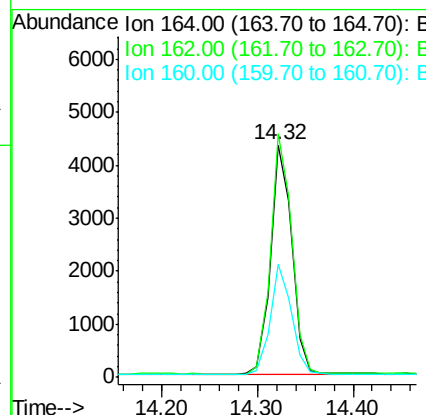
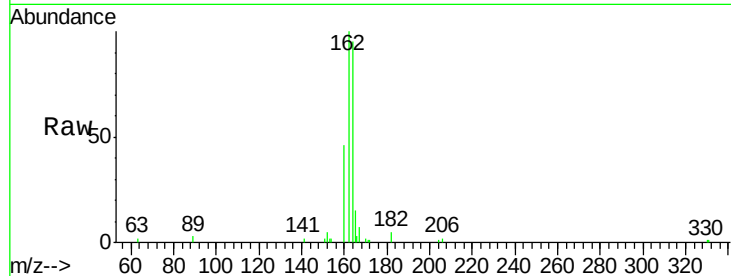
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.32 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-026-SW041-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	81.9	122.9
160	48.6	36.6	54.8

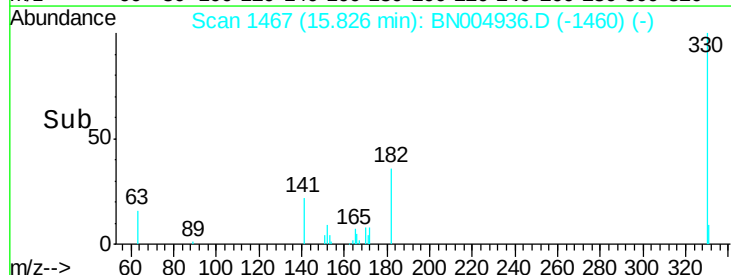
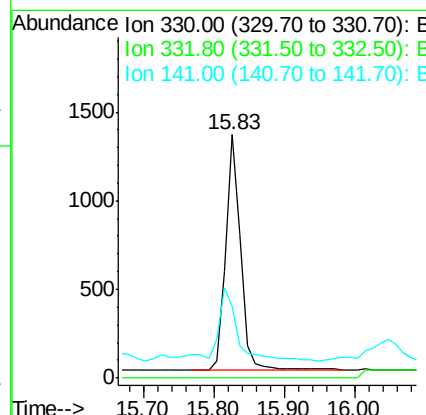
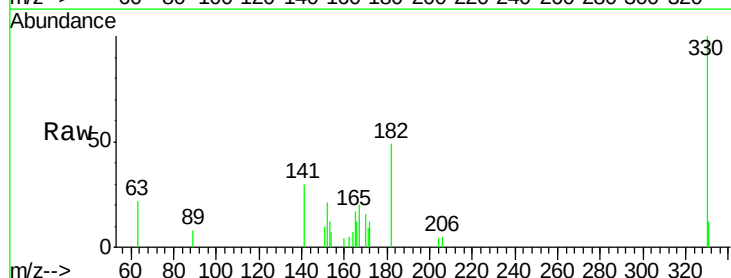
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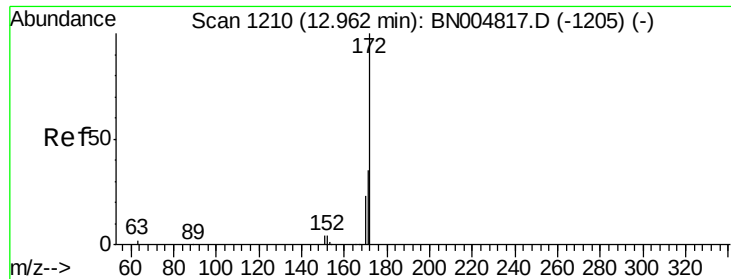
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#14
 2,4,6-Tribromophenol
 Concen: 0.430 ng
 RT: 15.83 min Scan# 1467
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.5	20.9	31.3





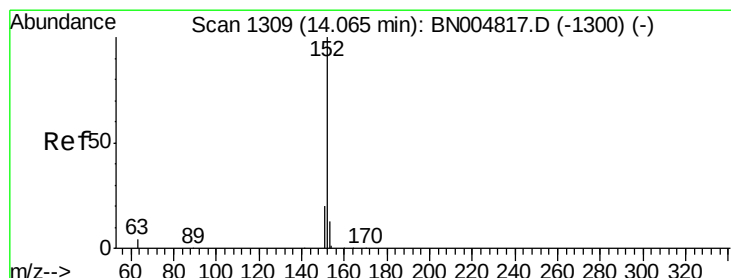
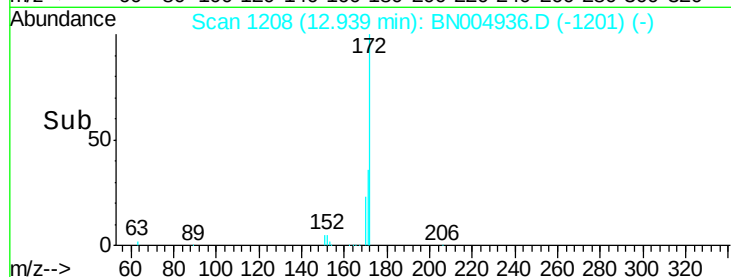
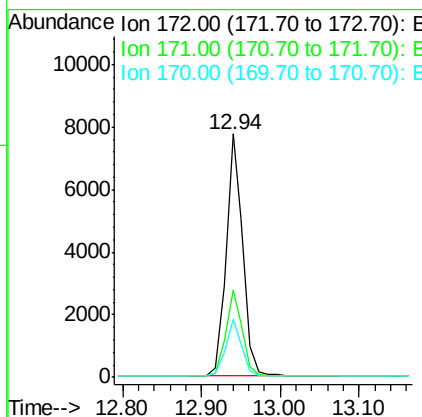
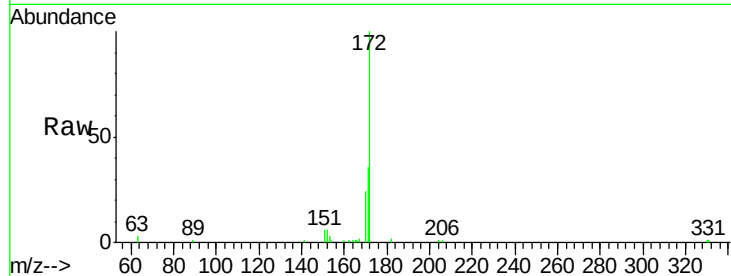
#15
2-Fluorobiphenyl
Concen: 0.416 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW041-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	23.9	18.7	28.1

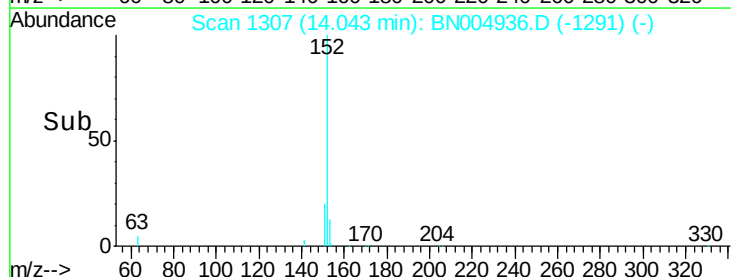
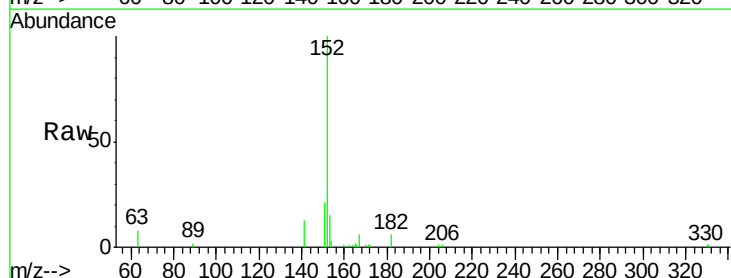
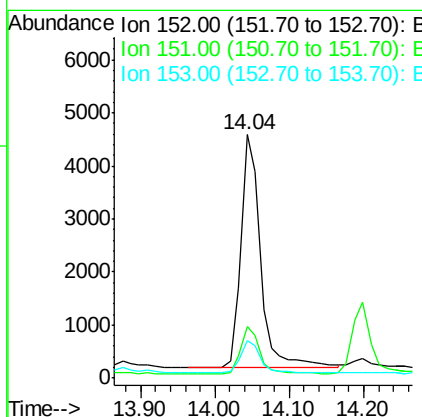
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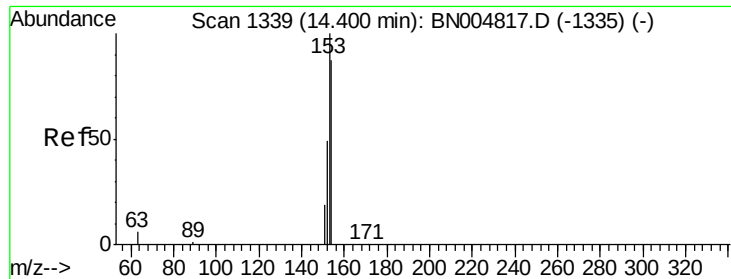
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#16
Acenaphthylene
Concen: 0.237 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.3	10.5	15.7





#17

Acenaphthene

Concen: 0.035 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

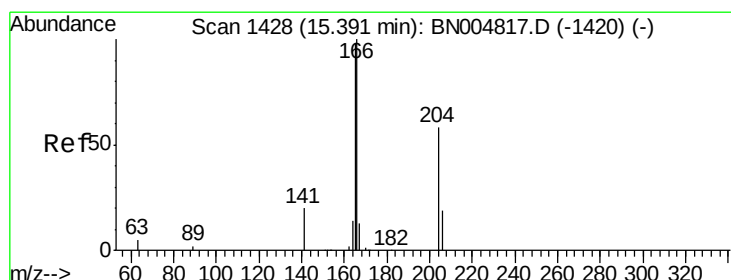
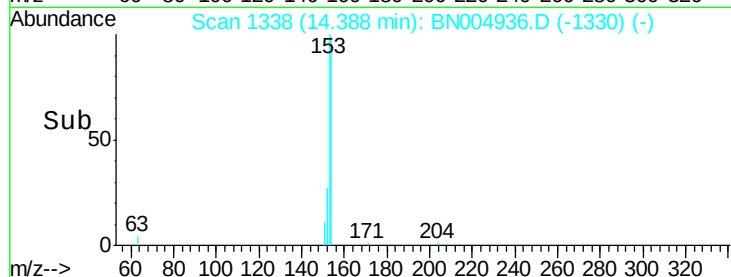
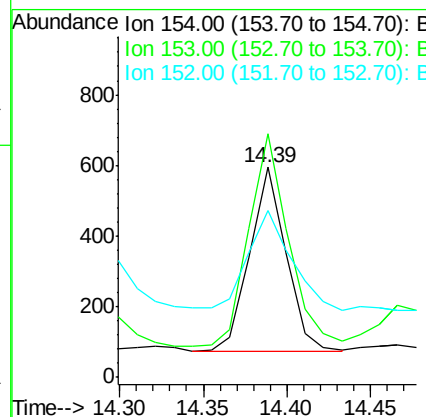
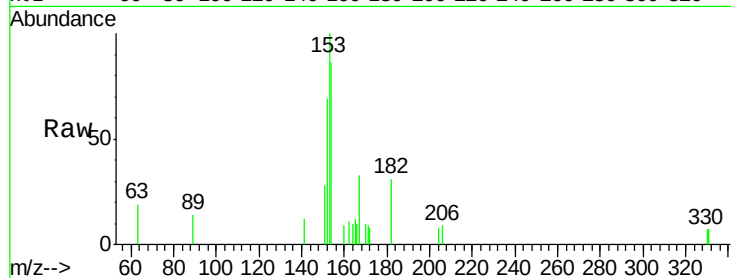
ClientSampleId :

EXT-026-SW041-031919

Tgt Ion:	154	Resp:	795
Ion Ratio	Lower	Upper	
154	100		
153	123.5	91.4	137.2
152	85.9	44.2	66.2#

Manual Integrations
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#18

Fluorene

Concen: 0.083 ng

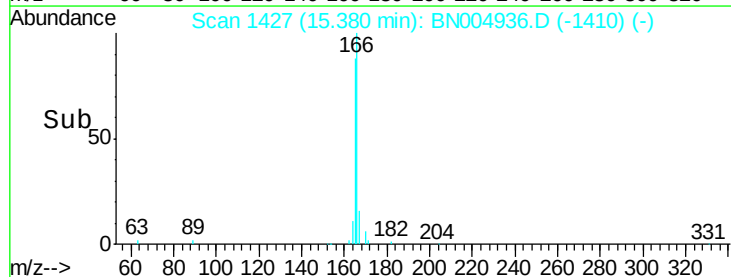
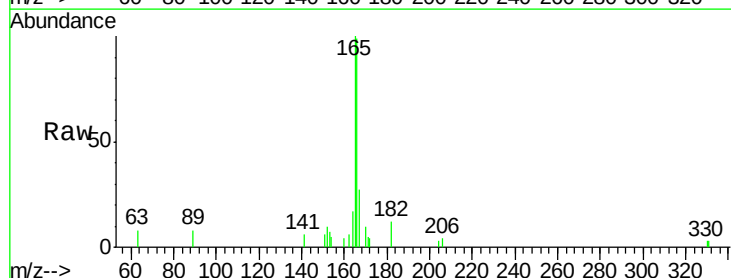
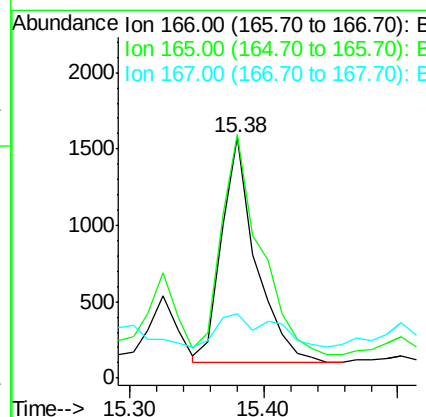
RT: 15.38 min Scan# 1427

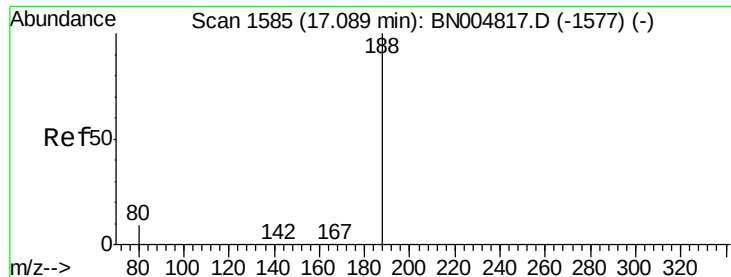
Delta R.T. -0.01 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Tgt Ion:	166	Resp:	2601
Ion Ratio	Lower	Upper	
166	100		
165	111.7	78.2	117.4
167	23.9	11.0	16.4#





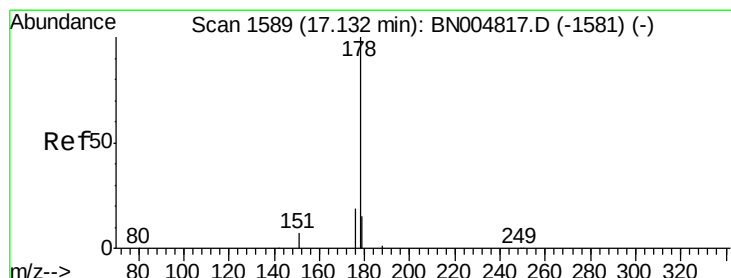
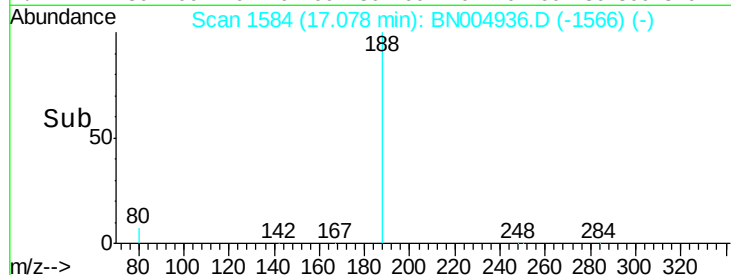
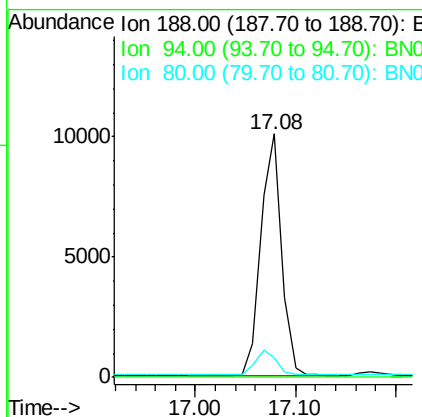
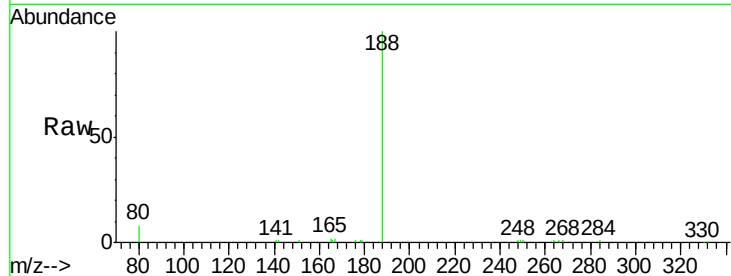
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW041-031919

Tgt Ion:	188	Resp:	14508
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.1	7.4	11.2

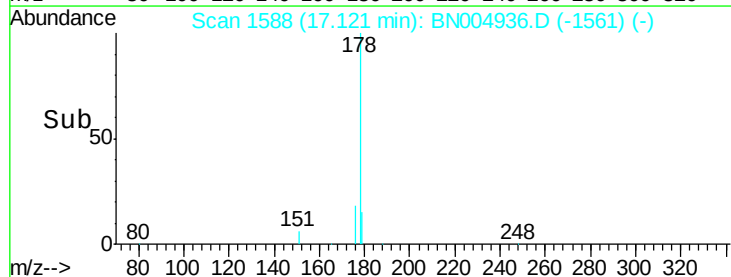
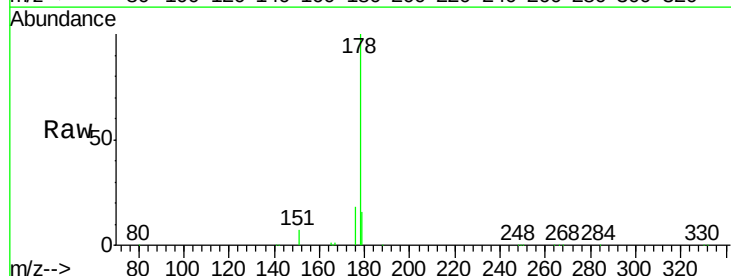
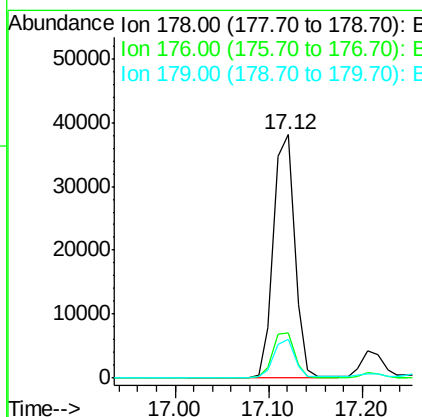
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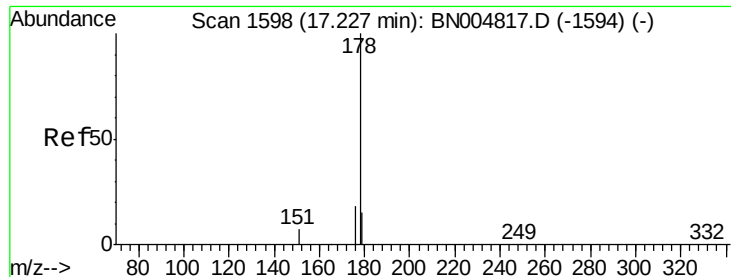
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#23
Phenanthrene
Concen: 1.281 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Tgt Ion:	178	Resp:	60028
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.5	12.1	18.1





#24

Anthracene

Concen: 0.153 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

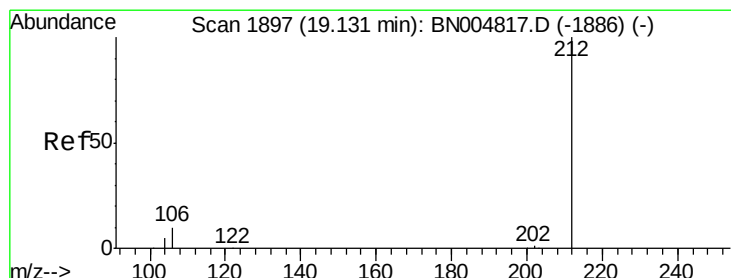
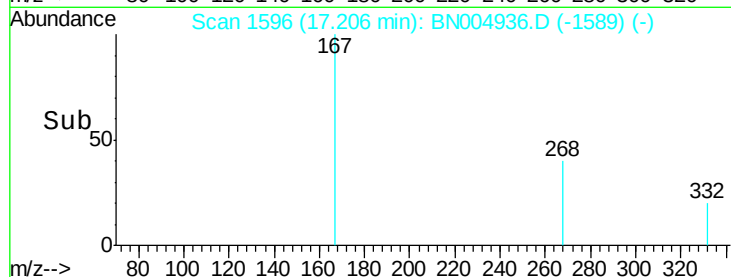
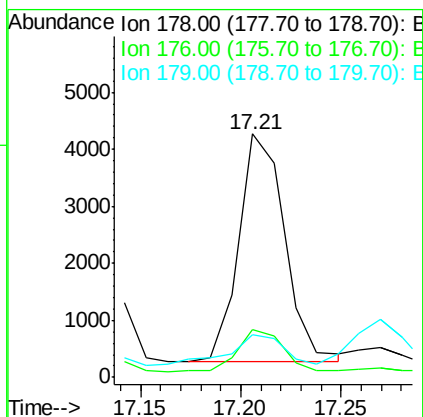
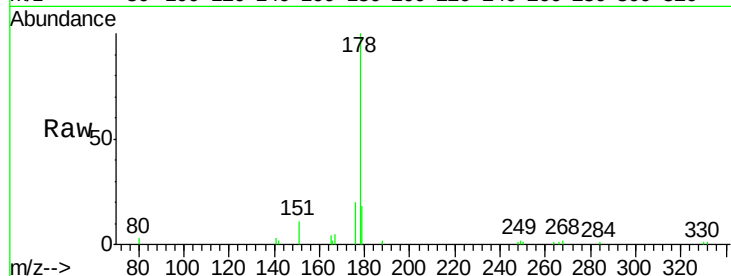
ClientSampleId :

EXT-026-SW041-031919

Tgt Ion:	178	Resp:	6381
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.5	21.7
179	16.0	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.320 ng

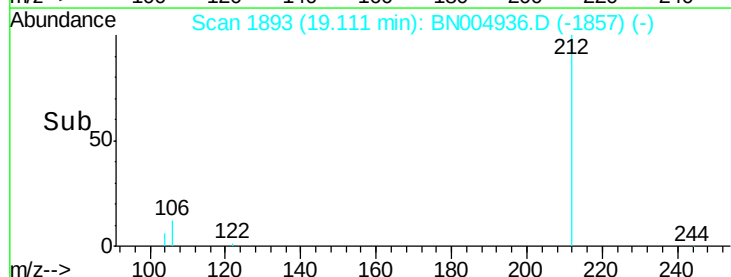
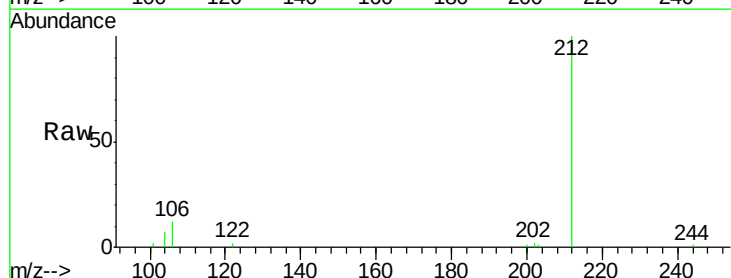
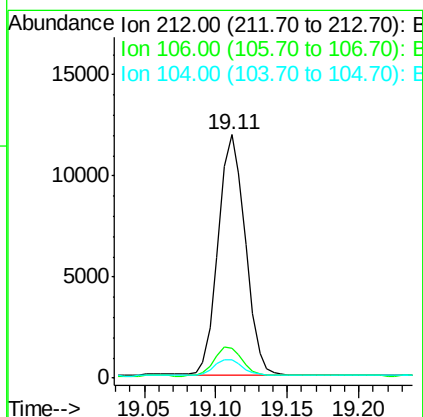
RT: 19.11 min Scan# 1893

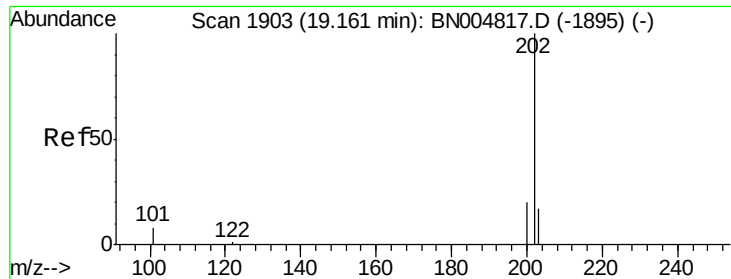
Delta R.T. -0.02 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Tgt Ion:	212	Resp:	15553
Ion Ratio	Lower	Upper	
212	100		
106	12.6	8.6	13.0
104	7.2	4.7	7.1#





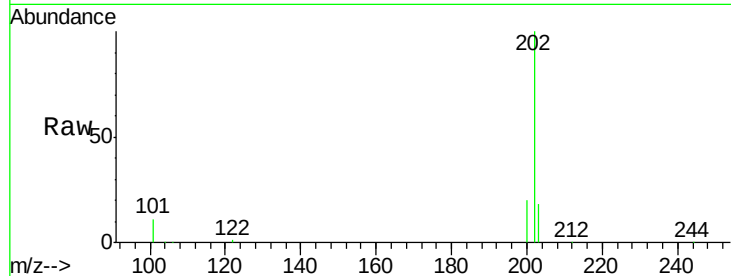
#26
Fluoranthene
 Concen: 1.291 ng
 RT: 19.14 min Scan# 1899
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-026-SW041-031919

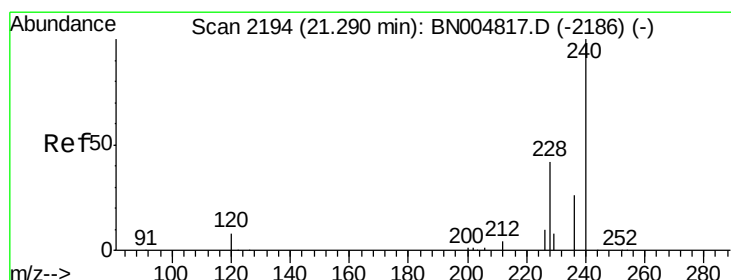
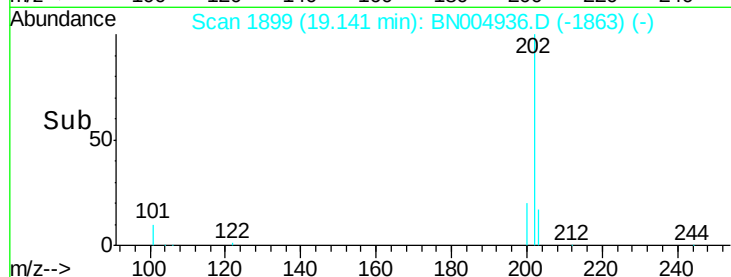
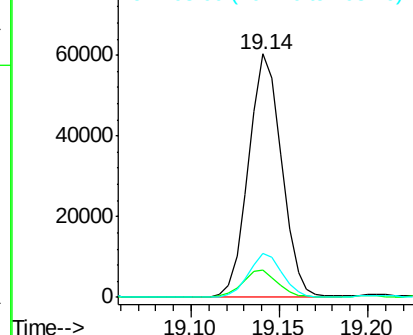
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	77714		
101	11.1		7.5	11.3
203	17.8		13.8	20.6

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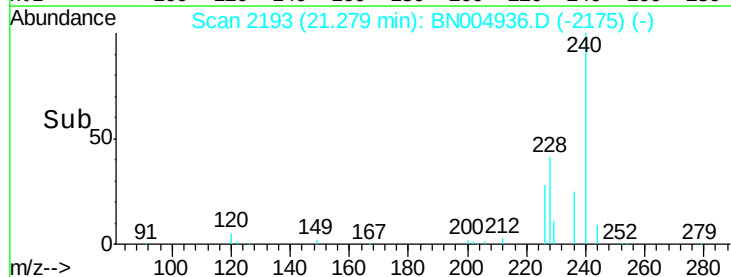
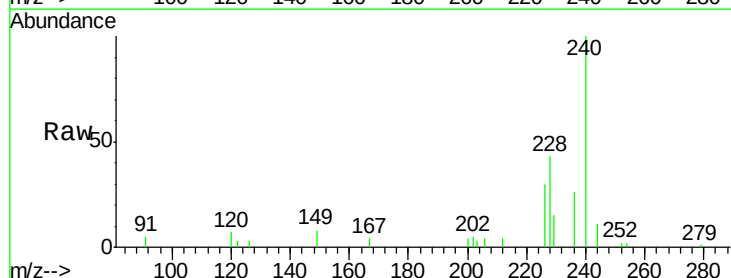
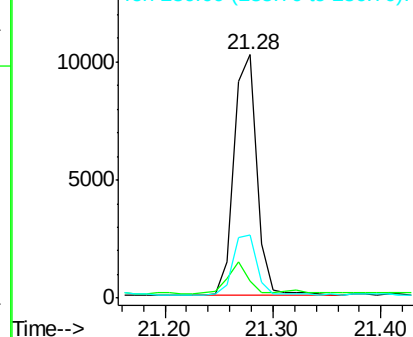
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

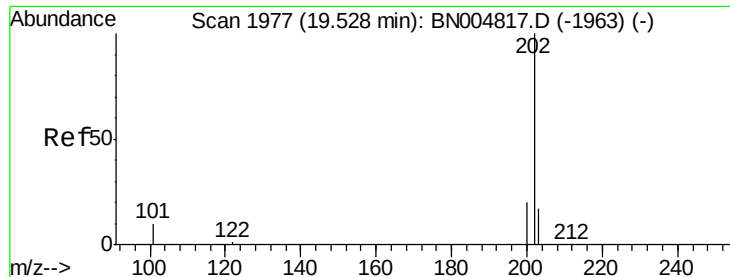


#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	15016		
120	6.8		7.2	10.8#
236	26.1		20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





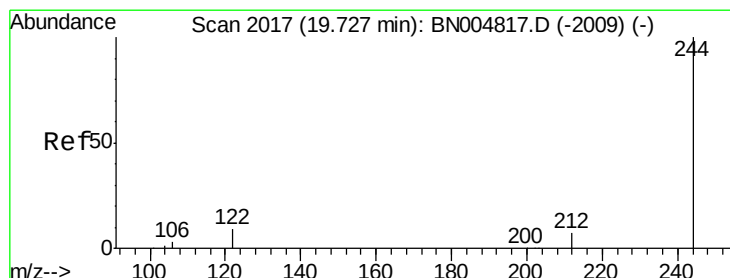
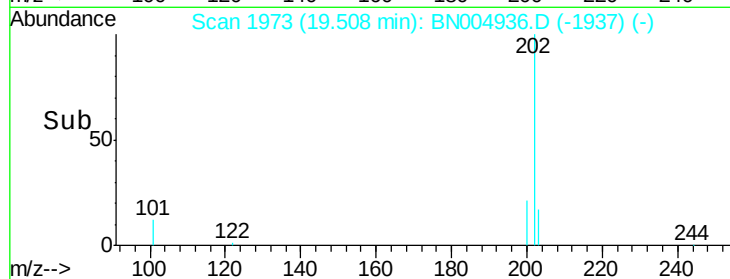
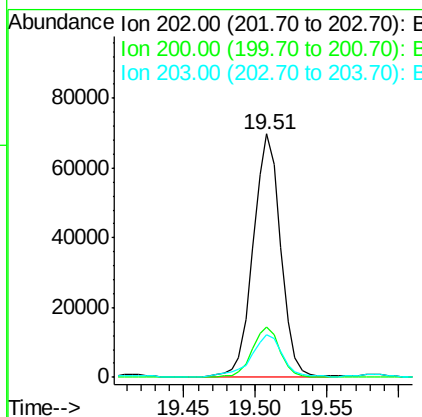
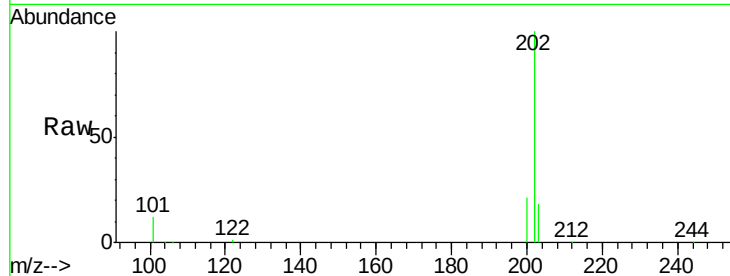
#28
 Pyrene
 Concen: 2.031 ng
 RT: 19.51 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-026-SW041-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	16.3	24.5
203	19.9	14.0	21.0

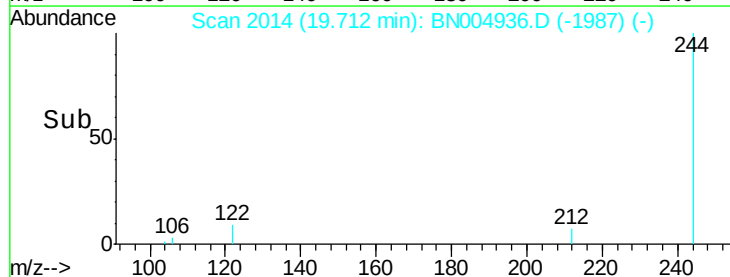
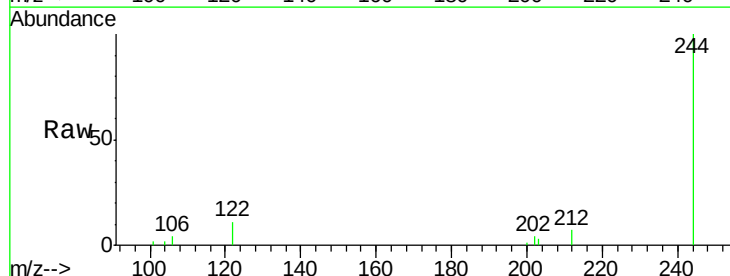
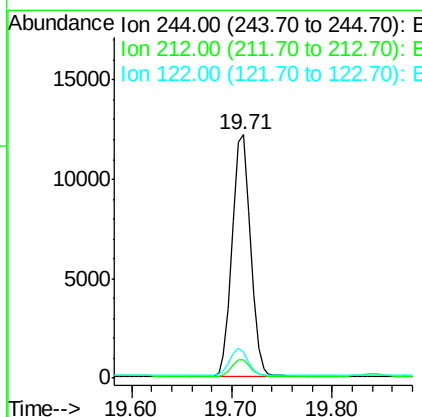
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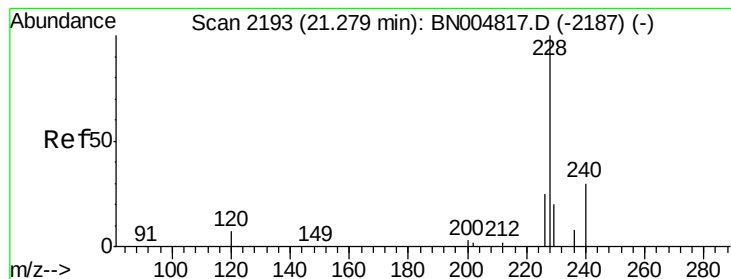
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#29
 Terphenyl-d14
 Concen: 0.495 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.4	5.8	8.6
122	10.6	7.9	11.9





#30

Benzo(a)anthracene

Concen: 0.704 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

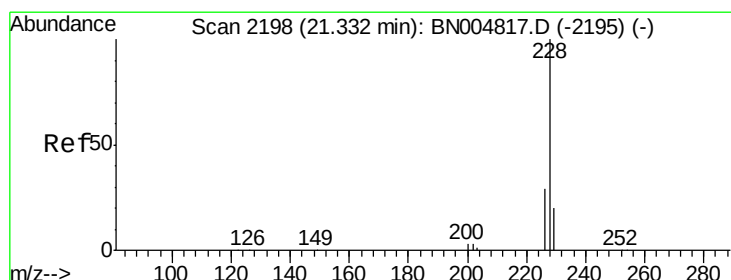
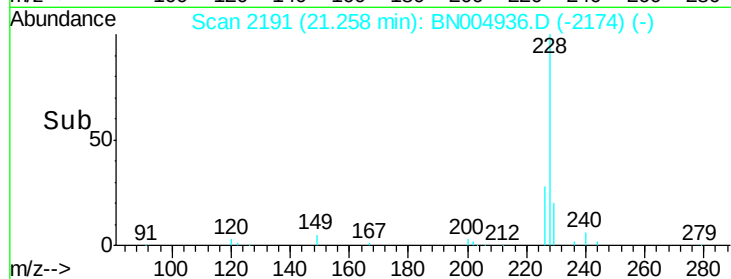
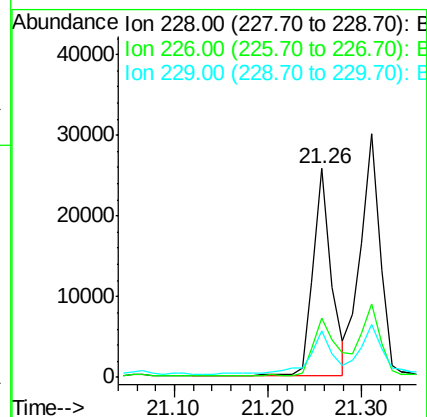
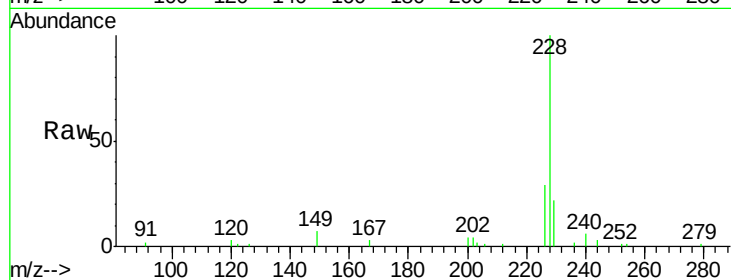
ClientSampleId :

EXT-026-SW041-031919

Tgt Ion:	228	Resp:	34666
Ion Ratio	Lower	Upper	
228	100		
226	28.7	20.6	31.0
229	22.3	16.2	24.4

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#31

Chrysene

Concen: 0.840 ng

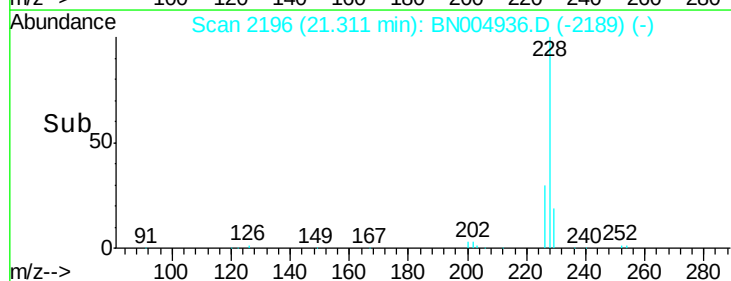
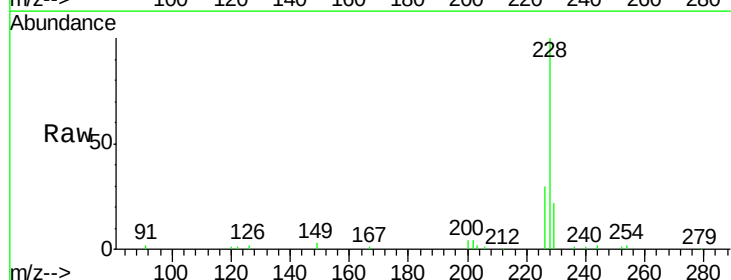
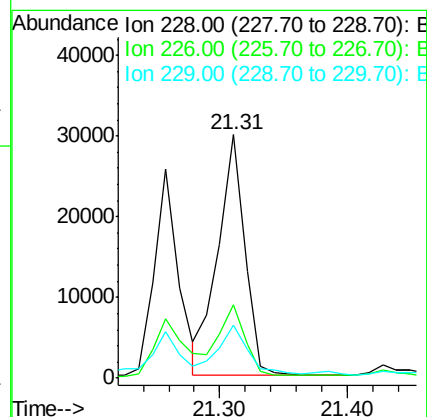
RT: 21.31 min Scan# 2196

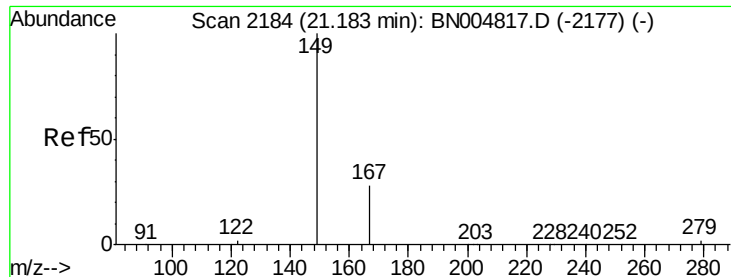
Delta R.T. -0.02 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Tgt Ion:	228	Resp:	43572
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.0	34.6
229	21.9	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.506 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

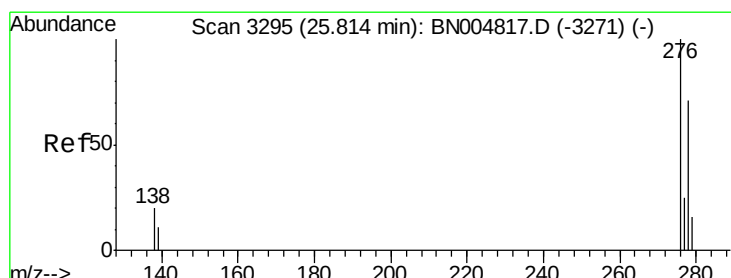
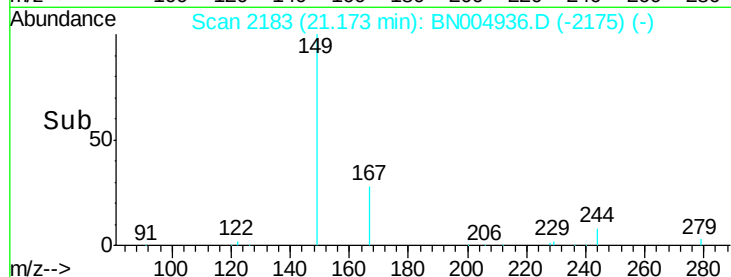
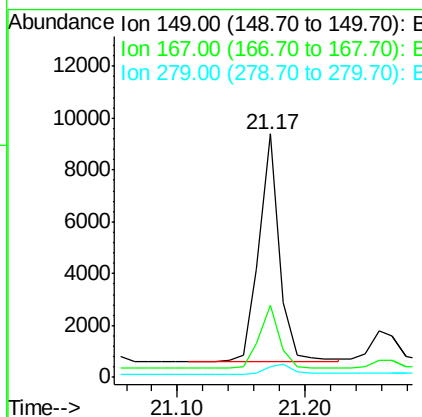
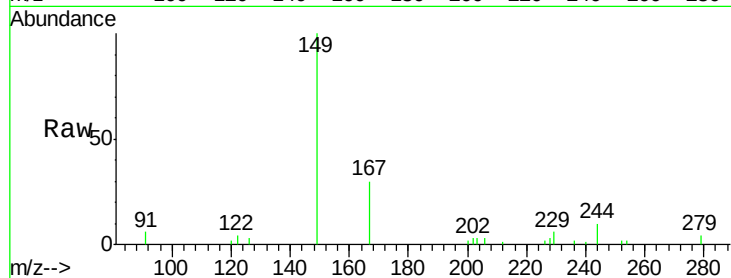
ClientSampleId :

EXT-026-SW041-031919

Tgt Ion:	149	Resp:	9964
Ion Ratio	Lower	Upper	
149	100		
167	26.9	23.0	34.4
279	5.1	4.6	6.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.338 ng

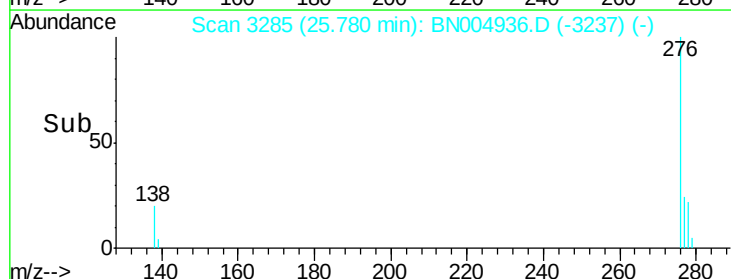
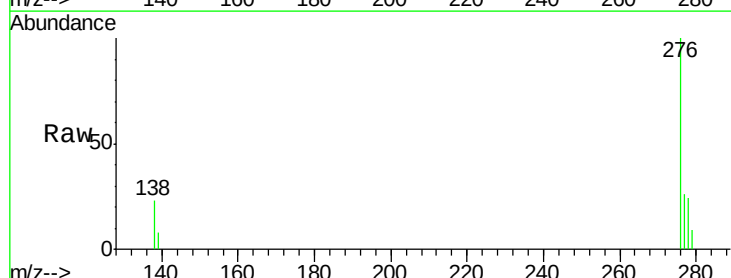
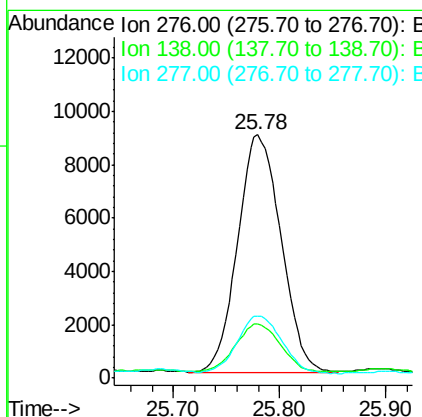
RT: 25.78 min Scan# 3285

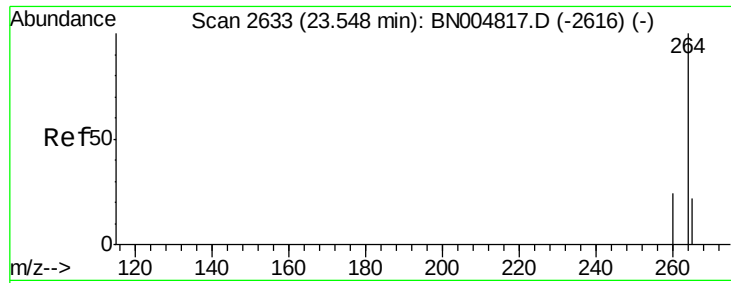
Delta R.T. -0.03 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29

Tgt Ion:	276	Resp:	25363
Ion Ratio	Lower	Upper	
276	100		
138	20.7	16.6	24.8
277	24.7	20.3	30.5





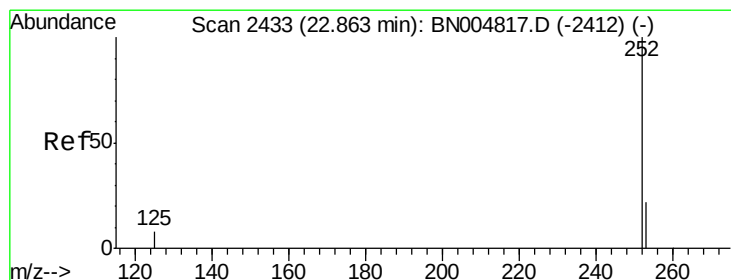
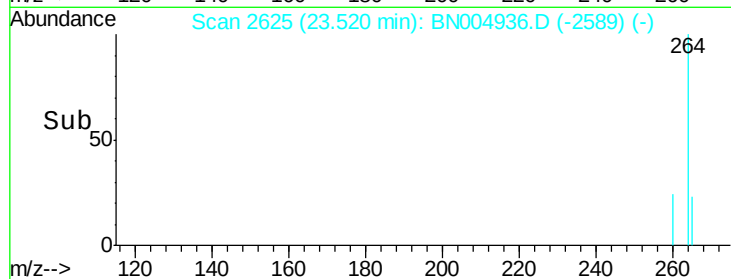
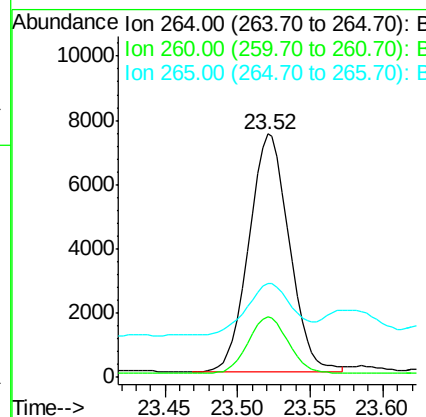
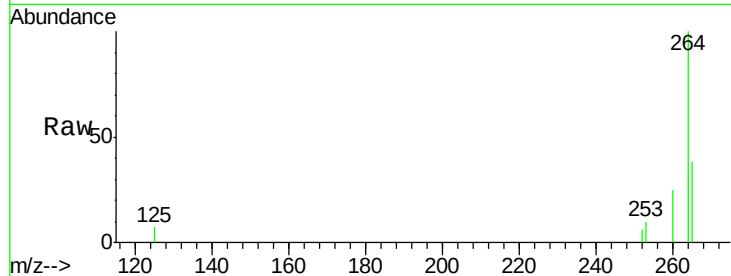
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2625
 Delta R.T. -0.03 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-026-SW041-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	38.4	23.1	34.7

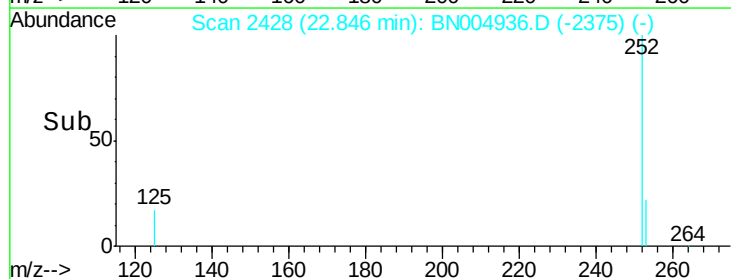
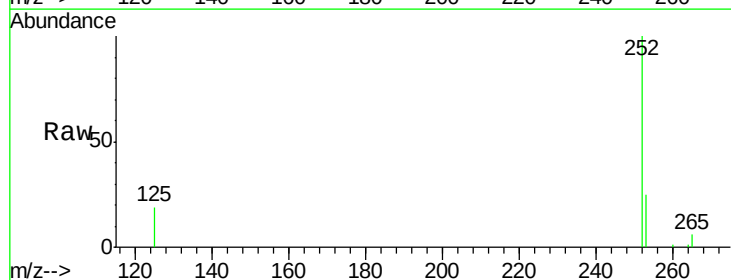
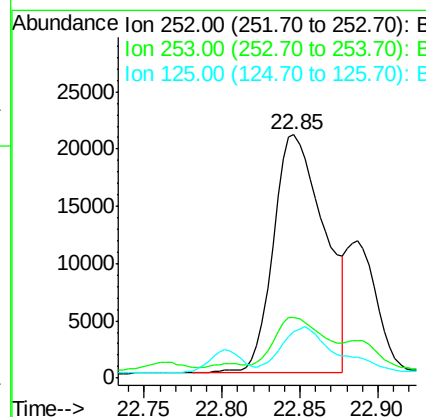
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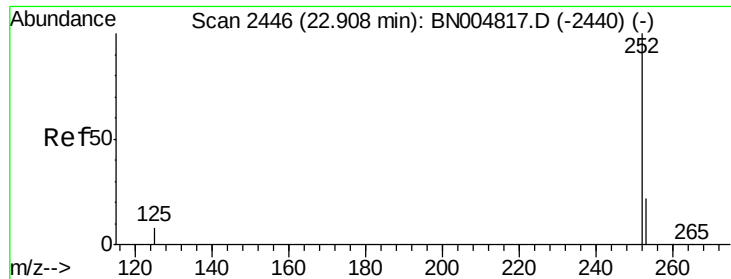
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#35
Benzo(b)fluoranthene
 Concen: 0.920 ng
 RT: 22.85 min Scan# 2428
 Delta R.T. -0.02 min
 Lab File: BN004936.D
 Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.0	28.4
125	18.9	7.4	11.2





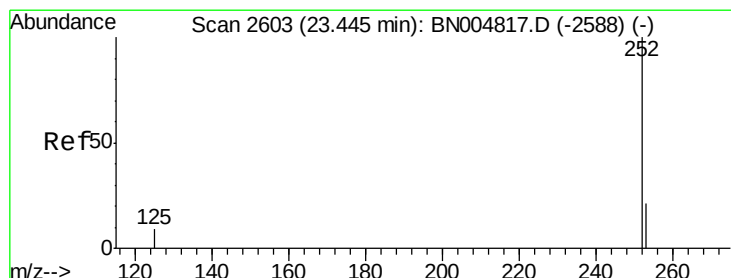
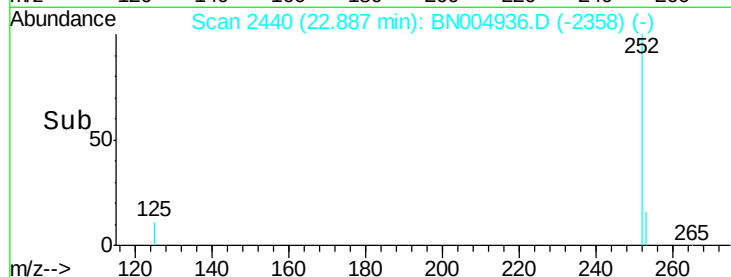
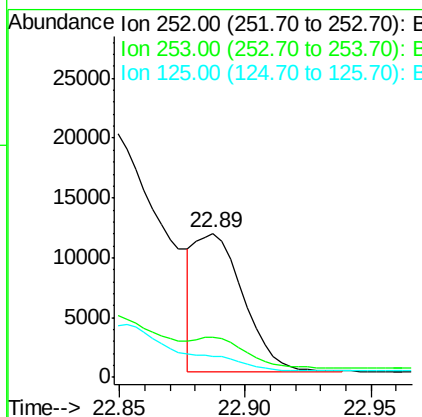
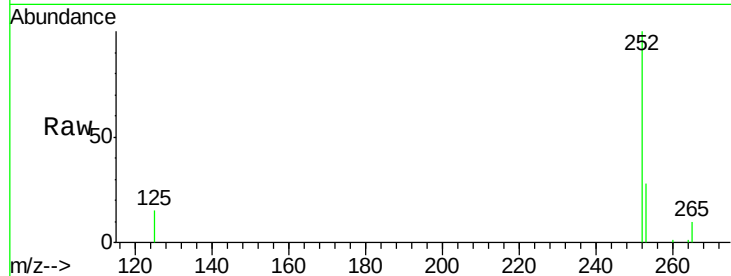
#36
Benzo(k)fluoranthene
Concen: 0.303 ng m
RT: 22.89 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Instrument :
BNA_N
ClientSampleId :
EXT-026-SW041-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	19.3	28.9
125	14.9	7.4	11.0

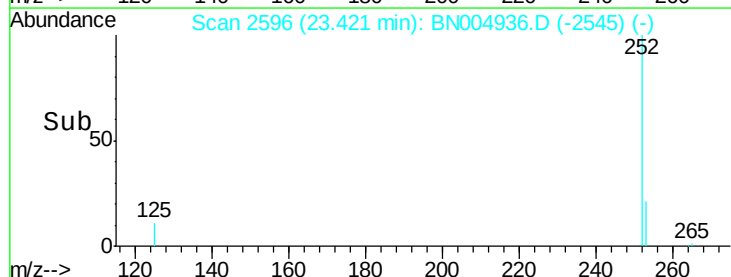
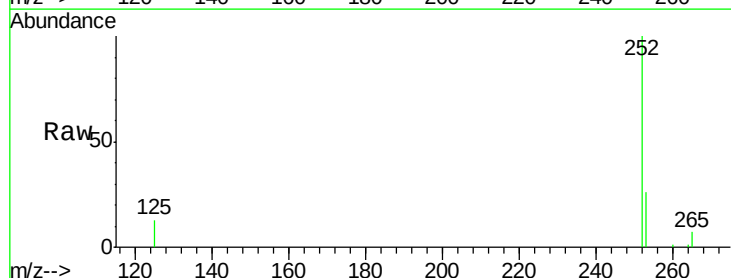
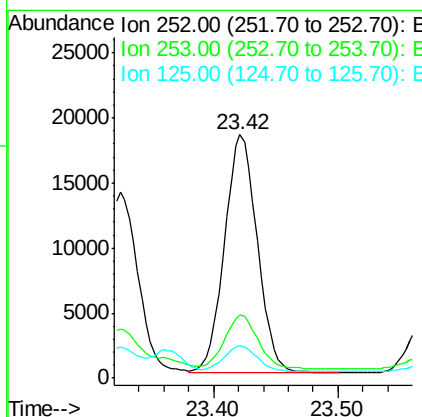
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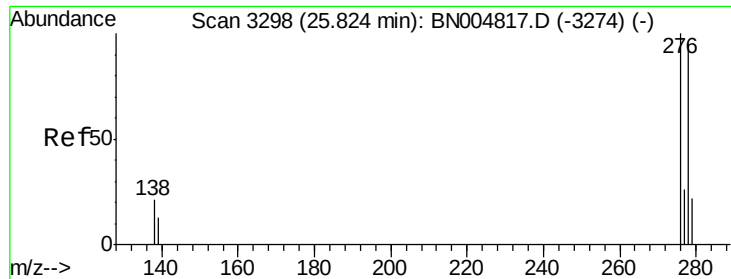
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#37
Benzo(a)pyrene
Concen: 0.704 ng
RT: 23.42 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BN004936.D
Acq: 24 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.7	29.5
125	13.2	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.132 ng

RT: 25.79 min Scan# 3287

Delta R.T. -0.04 min

Lab File: BN004936.D

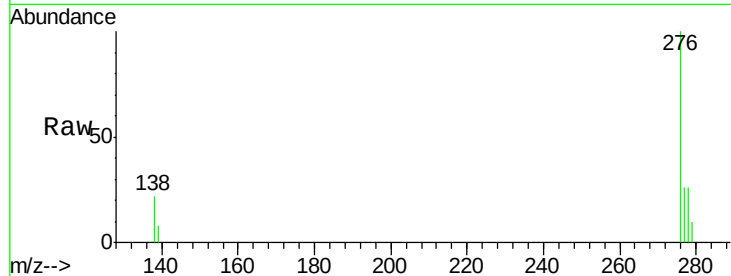
Acq: 24 Mar 2019 13:29

Instrument :

BNA_N

ClientSampleId :

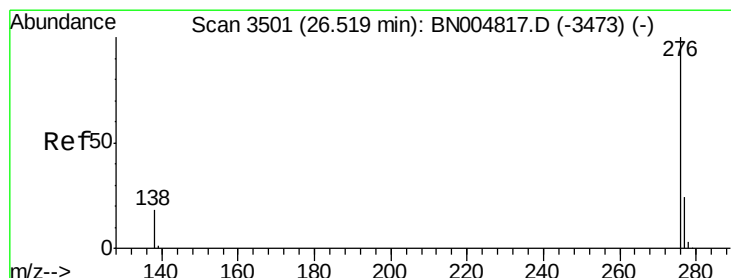
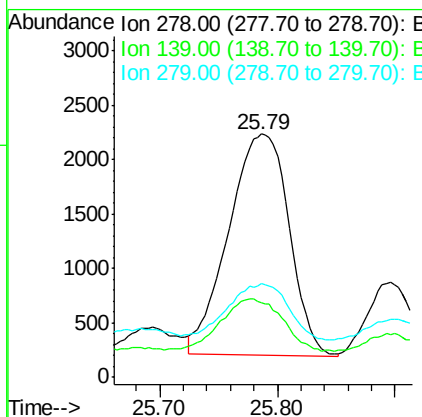
EXT-026-SW041-031919



Tgt Ion:	278	Resp:	7257
Ion Ratio	Lower	Upper	
278	100		
139	30.8	11.7	17.5#
279	38.6	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/26/2019 6:33:45 PM



#39

Benzo(g,h,i)perylene

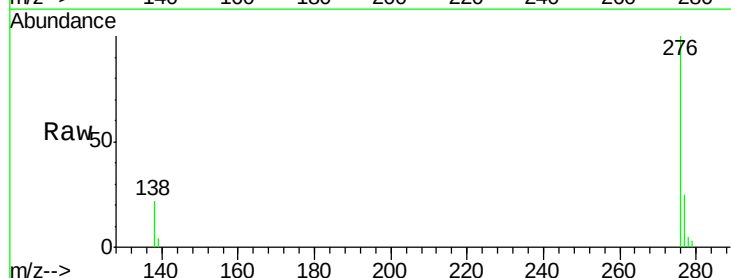
Concen: 0.488 ng

RT: 26.48 min Scan# 3489

Delta R.T. -0.04 min

Lab File: BN004936.D

Acq: 24 Mar 2019 13:29



Tgt Ion:	276	Resp:	27344
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.7	29.5
138	22.4	14.6	22.0#

